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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590 02/14/2011
HARNESS, DICKEY & PIERCE, P.L.C.
P.O. Box 8910
Reston, VA 20195

EXAMINER	
CHO, HONG SOL	
ART UNIT	PAPER NUMBER
2467	

DATE MAILED: 02/14/2011

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/823,579	04/14/2004	Dan Anthony Balogh	29250-002026/US	6233

TITLE OF INVENTION: METHOD OF TRANSFERRING CALL TRANSITION MESSAGES BETWEEN NETWORK CONTROLLERS OF DIFFERENT RADIO TECHNOLOGIES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	05/16/2011

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail Stop ISSUE FEE**
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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

7590 02/14/2011
HARNESS, DICKEY & PIERCE, P.L.C.
P.O. Box 8910
Reston, VA 20195

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Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

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10/823,579	04/14/2004	Dan Anthony Balogh	29250-002026/US	6233

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nonprovisional	NO	\$1510	\$300	\$0	\$1810	05/16/2011

EXAMINER	ART UNIT	CLASS-SUBCLASS
CHO, HONG SOL	2467	370-522000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). <input type="checkbox"/> Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. <input type="checkbox"/> "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev.03-02 or more recent) attached. Use of a Customer Number is required.	2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.
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3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent): Individual Corporation or other private group entity Government

4a. The following fee(s) are submitted:

Issue Fee
 Publication Fee (No small entity discount permitted)
 Advance Order - # of Copies _____

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

A check is enclosed.
 Payment by credit card. Form PTO-2038 is attached.
 The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____ Date _____

Typed or printed name _____ Registration No. _____

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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7590	02/14/2011		EXAMINER	
HARNESS, DICKEY & PIERCE, P.L.C.				CHO, HONG SOL
P.O. Box 8910				
Reston, VA 20195				
				ART UNIT
				PAPER NUMBER
				2467
DATE MAILED: 02/14/2011				

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 968 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 968 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Notice of Allowability	Application No.	Applicant(s)	
	10/823,579	BALOGH ET AL.	
	Examiner	Art Unit	
	Hong Cho	2467	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. This communication is responsive to amendment filed on 12/16/10.
2. The allowed claim(s) is/are 1,4-23,25-34 and 36-41 (renumbered 1-37).
3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All
 - b) Some*
 - c) None
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) hereto or 2) to Paper No./Mail Date _____.
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. Notice of References Cited (PTO-892)
2. Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. Notice of Informal Patent Application
6. Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. Examiner's Amendment/Comment
8. Examiner's Statement of Reasons for Allowance
9. Other _____.

/Hong Cho/
Primary Examiner, Art Unit 2467

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Claims have been amended as follows:

1. (Currently Amended) A method comprising:
receiving, at a first network controller operating according to a first radio technology, a message relay request from a mobile station for which the first network controller is handling a packet switched call, the message relay request including a network controller identifier identifying a second network controller operating according to a second radio technology capable of receiving a signal from the mobile station and the message relay request including an origination message for originating a call at the second network controller operating according to the second radio technology, and the second radio technology being different from the first radio technology; forming, at the first network controller operating according to a first radio technology, a relay message to include the origination message as an embedded message for conveying a switch in radio technology; and sending, by the first network controller operating according to a first radio technology, the relay message over a tunneling medium to the second network controller operating according to the second radio technology.

2-3. (Cancelled)

4. (Currently Amended) The method of claim [[3]]1, wherein the message relay request includes an identifier identifying the message relay request as the message relay request.

5. (Currently Amended) The method of claim [[3]]1, wherein the forming step further includes in the relay message an identifier of a packet data serving node handling the packet switched call of the mobile station.

6. (Currently Amended) The method of claim [[3]]1, further comprising: receiving a second relay message, from the second network controller, including a channel assignment message, the channel assignment message indicating a channel assigned to the mobile station for communicating with the second network controller; and sending a message relay response to the mobile station that includes the channel assignment message.

7. (Original) The method of claim 1, wherein the embedded message is a handoff request requesting handoff of the mobile station to the second radio technology.

8. (Previously Presented) The method of claim 1, wherein the embedded message is a transition message requesting transition of the packet switched call for the mobile station handled by the first radio technology to a call for the mobile station handled by the second radio technology.

9. (Previously Presented) The method of claim 8, wherein the transition message requests transition of the packet switched call for the mobile station handled by the first radio technology to another packet switched call for the mobile station handled by the second radio technology.

10. (Original) The method of claim 8, wherein the transition message requests transition of the packet switched call for the mobile station handled by the

first radio technology to a circuit switched call for the mobile station handled by the second radio technology.

11. (Currently Amended) A method, comprising:

receiving a relay message including an origination message as an embedded message for conveying a switch in radio technology from a first network controller operating according to a first radio technology at a second network controller operating according to a different, second radio technology, and capable of receiving a signal from the mobile station, the relay message (i) including a transition message indicating to transition a packet switched call for a mobile station handled by the first network controller operating according to the first radio technology to a call for the mobile station handled by the second network controller operating according to the second radio technology, (ii) being sent over a tunneling medium between the first network controller operating according to the first radio technology and the second network controller operating according to the second radio technology, and (iii) being based on a message relay received from the first network controller operating according to the first radio technology, the message relay request including the origination message and a network controller identifier identifying the second network controller operating according to the second radio technology.

12. (Original) The method of claim 11, wherein the transition message is an origination message for originating a call with the second network controller.

13. (Original) The method of claim 11, wherein the relay message further includes an identifier of a packet data serving node handling the packet switched call of the mobile station.

14. (Original) The method of claim 13, further comprising:
establishing a signaling relationship with the identified packet data serving node such that the second network controller receives packetized traffic destined for the mobile station.

15. (Original) The method of claim 11, wherein the transition message is a handoff request requesting handoff of the mobile station to the second network controller.

16. (Previously Presented) The method of claim 11, further comprising: sending a second relay message including a channel assignment message to the first network controller, the channel assignment message indicating a channel assigned to the mobile station for communicating with the second network controller.

17. (Previously Presented) The method of claim 11, wherein the transition message is for transitioning the packet switched call handled by the first network controller to another packet switched call handled by the second network controller.

18. (Previously Presented) The method of claim 11, wherein the transition message is for transitioning the packet switched call handled by the first network controller to a circuit switched call handled by the second network controller.

19. (Currently Amended) A method of communication between wireless elements and a wireless unit, the method comprising:

 sending to a wireless unit at least one message identifying (i) wireless elements in use by a wireless unit and (ii) wireless elements available to the wireless unit for each of a plurality of network types; and

 receiving a selection of at least one selected wireless element from the wireless unit, the at least one message sent to the wireless unit includes an indicator of whether the wireless element in use by the wireless unit can relay messages to the at least one selected wireless element; and

communicating, by the wireless unit to a current wireless element, in use by the wireless unit, the selection of the at least one selected wireless element to subsequently relay messages.

20. (Previously Presented) The method of claim 19, wherein the at least one message includes at least one of an identifier of a network type of the wireless elements available to the wireless unit, and an indicator of whether the wireless element in use by the wireless unit can relay messages to the at least one selected wireless element.

21. (Previously Presented) The method of claim 19, wherein the at least one message includes network configuration parameters to identify at least one of the plurality of network types of the wireless elements available to the wireless unit.

22. (Previously Presented) The method of claim 19, wherein the message identifies at least one of the plurality of network types of the wireless elements available to the wireless unit.

23. (Previously Presented) The method of claim 19, wherein the at least one message includes parameters with which the wireless unit may select one of the wireless elements available to the wireless unit.

24. (Cancelled)

25. (Currently Amended) The method of claim [[24]]19, wherein the current wireless element at least one of, (i) relays messages to and (ii) relays messages from the at least one selected wireless element from the wireless unit.

26. (Currently Amended) The method of claim 19, whereupon (i) a selection of one of the wireless elements available to the wireless unit by the wireless unit and (ii) confirmation by [[a]]the current wireless element, the current wireless element at least one of,

relays messages to the selected wireless element from the wireless unit,
and

relays messages from the selected wireless element to the wireless unit.

27. (Currently Amended) The method of claim 19, wherein a message identifying the at least one selected wireless element indicates that at least one of subsequent messages to and subsequent messages from the wireless unit are to be relayed by [[a]] the current wireless element.

28. (Currently Amended) The method of claim 19, wherein at least one of (i) each message to be relayed to and (ii) each message to be relayed from the wireless unit by [[a]] current wireless element identifies the at least one selected wireless element to which the each message is to be relayed.

29. (Currently Amended) A method of communication between wireless elements and a wireless unit, the method comprising:

receiving, by a wireless unit, at least one message identifying (i) wireless elements in use by a wireless unit and (ii) wireless elements available to the wireless unit for each of a plurality of network types; and

selecting, by a wireless unit, at least one selected wireless element for possible future service based on the at least one message, the at least one message includes an indicator of whether the wireless elements in use by the wireless unit can relay messages to at least one selected wireless element; and

communicating, by the wireless unit to a current wireless element, in use by the wireless unit, the selection of the at least one selected wireless element to subsequently relay messages.

30. (Previously Presented) The method of claim 29, wherein the at least one message includes at least one of an identifier of a network type of the wireless elements available to the wireless unit, and an indicator of whether the wireless element in use by the wireless unit can relay messages to the at least one selected wireless element.

31. (Previously Presented) The method of claim 29, wherein the at least one message includes network configuration parameters to identify at least one of the plurality of network types of the wireless elements available to the wireless unit.

32. (Previously Presented) The method of claim 29, wherein the message identifies at least one of the plurality of one network types of the wireless elements available to the wireless unit.

33. (Previously Presented) The method of claim 29, wherein the at least one message includes parameters with which the wireless unit may select one of the wireless elements available to the wireless unit.

34. (Previously Presented) The method of claim 29, wherein the wireless unit selects one of the wireless elements for service based on the at least one message and a preferred roaming list.

35. (Cancelled)

36. (Currently Amended) The method of claim [[35]]34, wherein the current wireless element at least one of, (i) relays messages to and (ii) relays messages from the at least one selected wireless element from the wireless unit.

37. (Currently Amended) The method of claim 29, whereupon (i) a selection of one of the wireless elements available to the wireless unit by the wireless unit and (ii) confirmation by [[a]]the current wireless element, the current wireless element at least one of,

relays messages to the selected wireless element from the wireless unit,
and

relays messages from the selected wireless element to the wireless unit.

38. (Currently Amended) The method of claim 29, wherein a message identifying the at least one selected wireless element indicates that at least one of subsequent messages to and subsequent messages from the wireless unit are to be relayed by [[a]]the current wireless element.

39. (Currently Amended) The method of claim 29, wherein at least one of (i) each message to be relayed to and (ii) each message to be relayed from the wireless unit by ~~[[a]]~~the current wireless element identifies the at least one selected wireless element to which the each message is to be relayed.

40. (Previously Presented) The method of claim 29, further comprising: prior to selecting, requesting additional information on the wireless elements available to the wireless unit from a current wireless element.

41. (Previously Presented) The method of claim 1, wherein upon receiving the relay message, the second network controller performs a registration process with a mobile switching center of the second radio technology.

Conclusion

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hong Cho whose telephone number is 571-272-3087.

The examiner can normally be reached on Mon-Fri during 7 am to 4 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Pankaj Kumar can be reached on 571-272-3011. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you

have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Hong Cho/

Primary Examiner, Art Unit 2467